

Figure 1

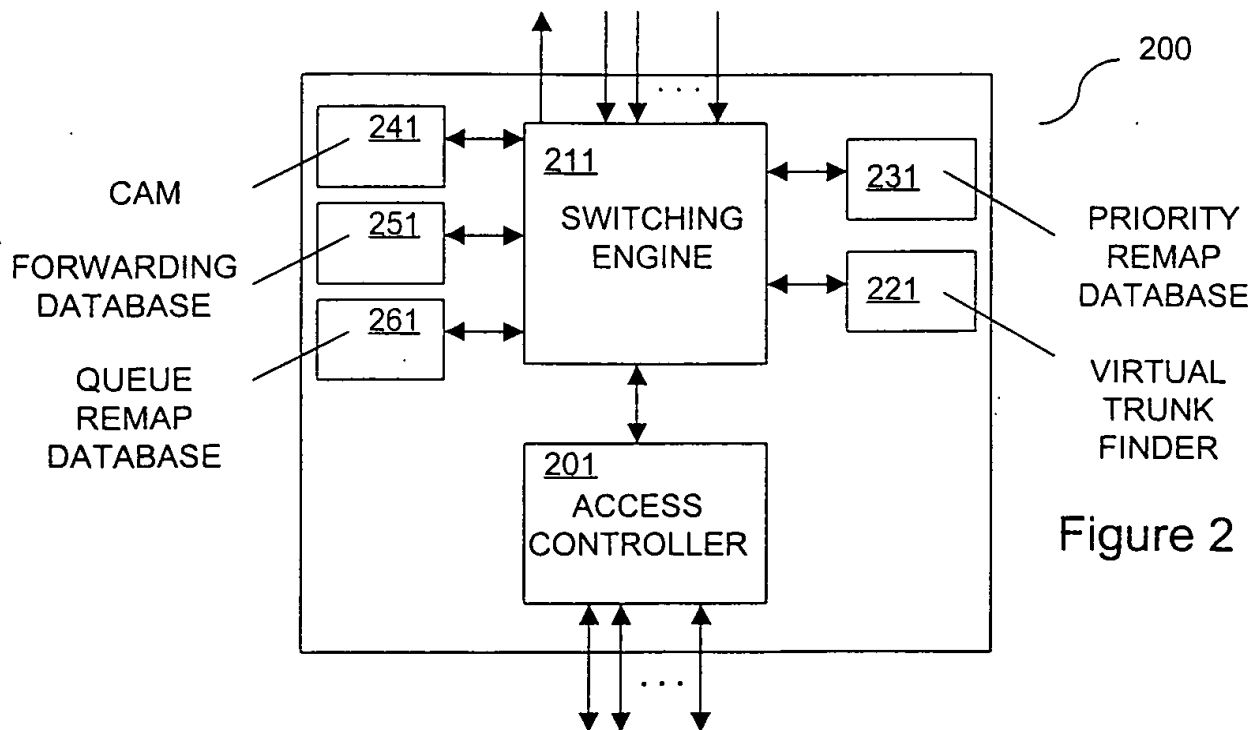
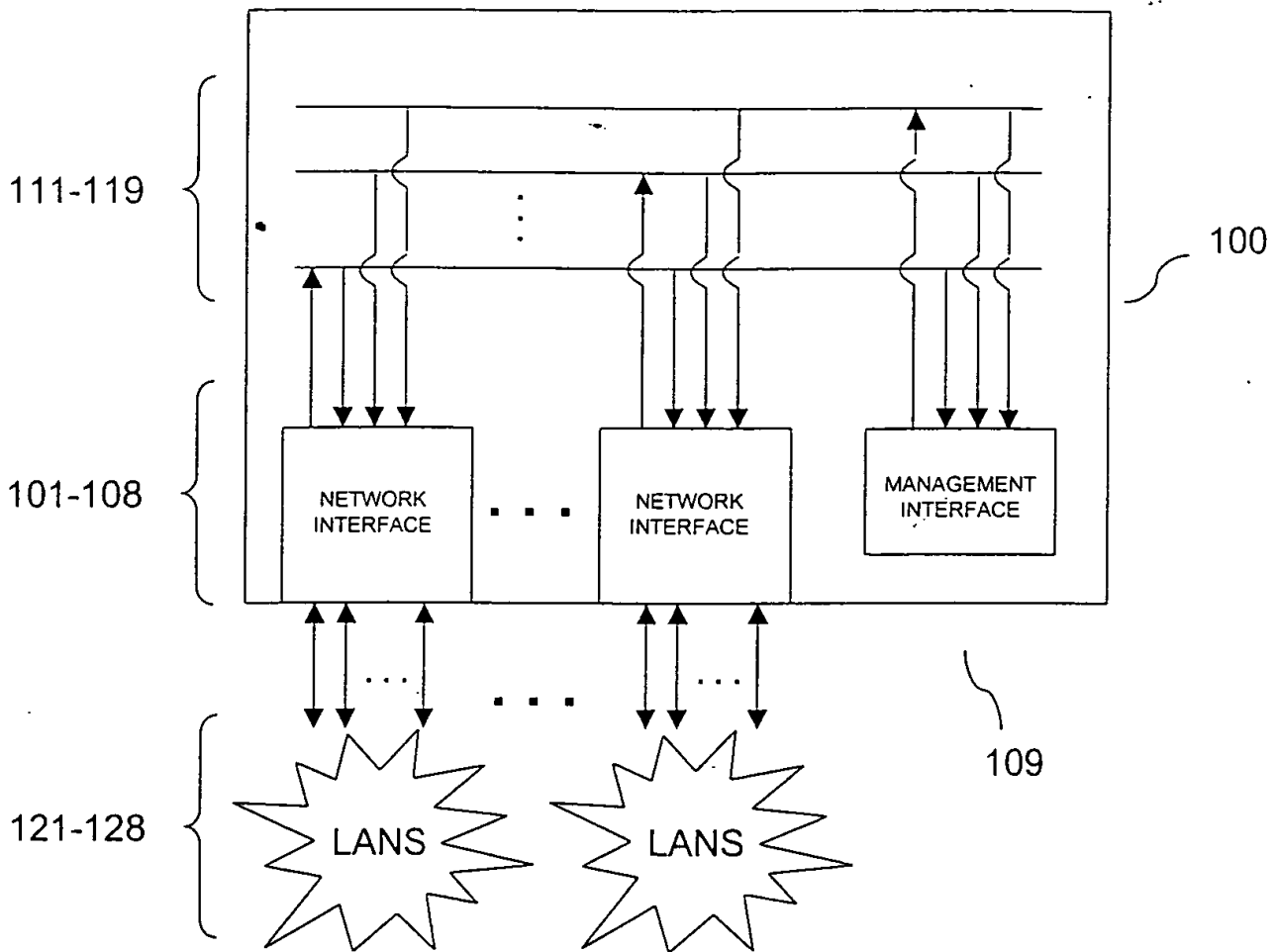


Figure 2

**THE**  
**NEW**  
**YORK**  
**PUBLIC**  
**LIBRARY**

300

400

0	PORT	CTRL
1	TAG2	TAG3
2	DA0	DA1
3	DA2	DA3
4	DA4	DA5
5	SA0	SA1
6	SA2	SA3
7	SA4	SA5
8	TL0	TL1
9	D0	D1
10	D2	D3

Figure 5

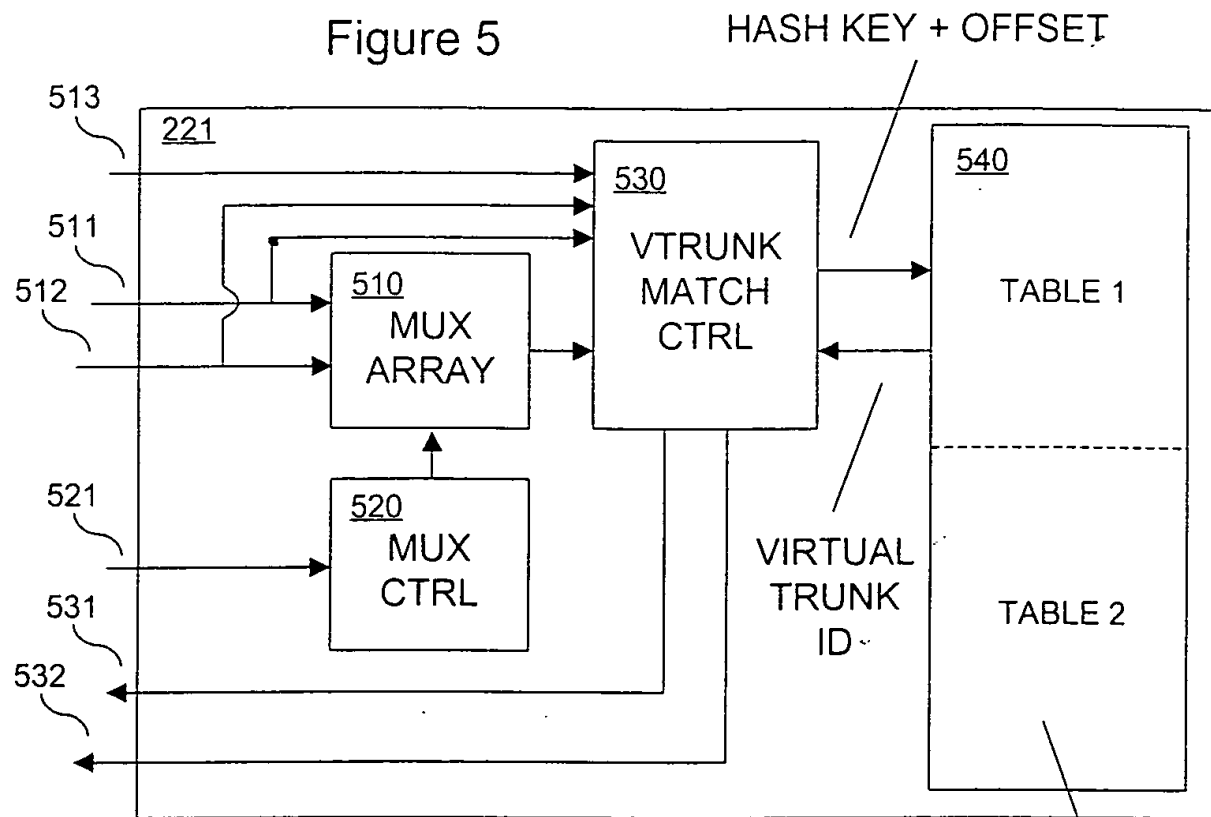


Figure 6

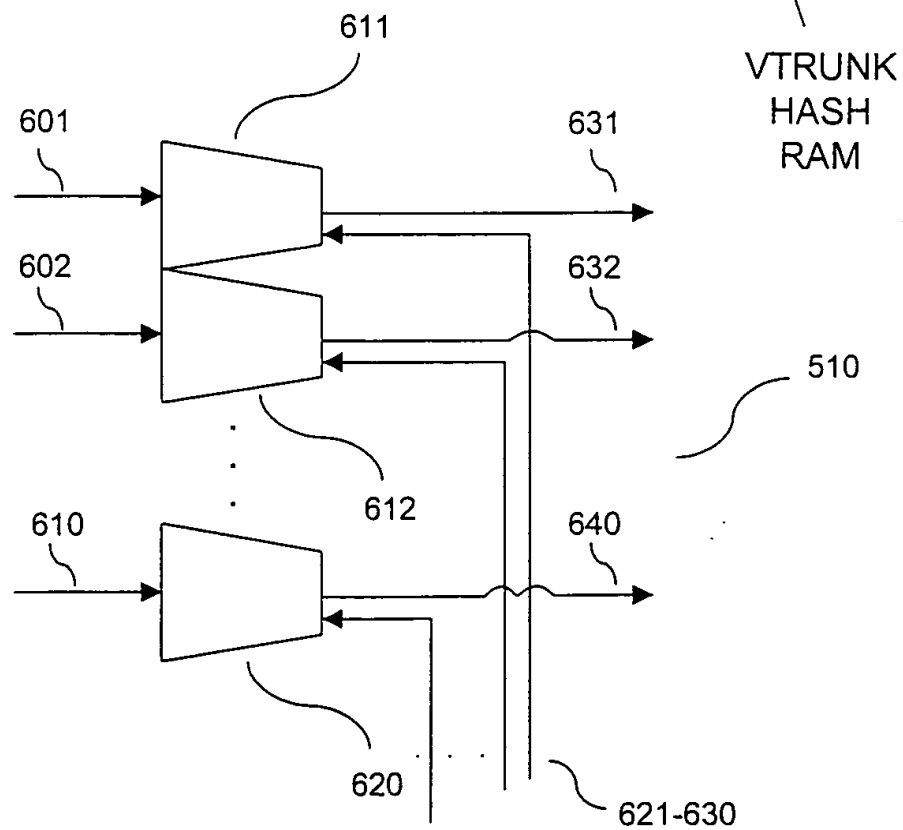


Figure 7

	INDEX	ENTRY
701	INDEX 1	VPI/VLAN ID-VTRUNK ID- KEY 1a
702	INDEX 2	VPI/VLAN ID-VTRUNK ID - KEY 2a
703	INDEX 3	VPI/VLAN ID-VTRUNK ID- KEY 3a
704	...	...
705	INDEX N	VPI/VLAN ID-VTRUNK ID - KEY Na
706	INDEX 2a	VPI/VLAN ID-VTRUNK ID - KEY 2b
707	INDEX Na	VPI/VLAN ID-VTRUNK ID
708	INDEX 2b	VPI/VLAN ID-VTRUNK ID - KEY 2c
709	INDEX 3a	VPI/VLAN ID-VTRUNK ID
710	INDEX 1a	VPI/VLAN ID-VTRUNK ID
	INDEX 2c	VPI/VLAN ID-VTRUNK ID
		...

540

INBOUND TAG PRIORITY - VIRTUAL TRUNK ID

Figure 8

	INDEX	ENTRY
	INDEX 1	OUTBOUND TAG PRIORITY
	INDEX 2	OUTBOUND TAG PRIORITY
	INDEX 3	OUTBOUND TAG PRIORITY
	...	...
	INDEX N	OUTBOUND TAG PRIORITY

231

00000000-00000000-00000000-00000000

Figure 9

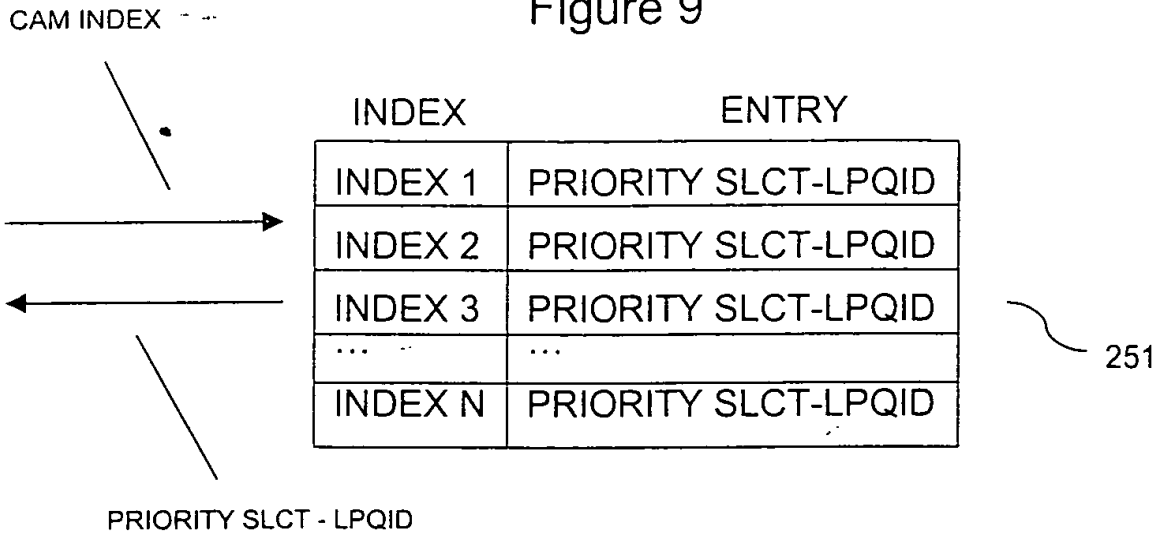
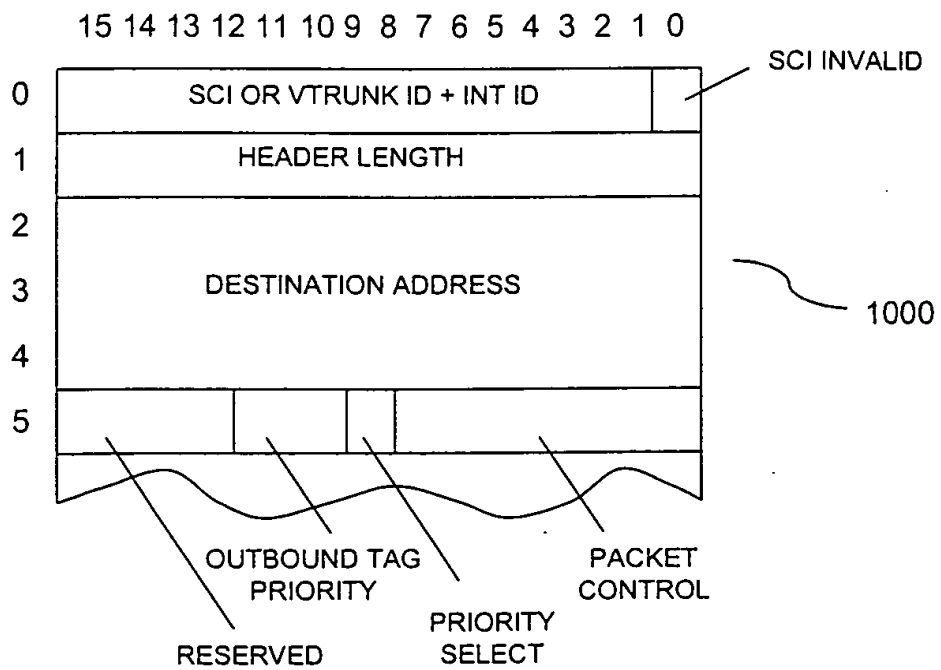
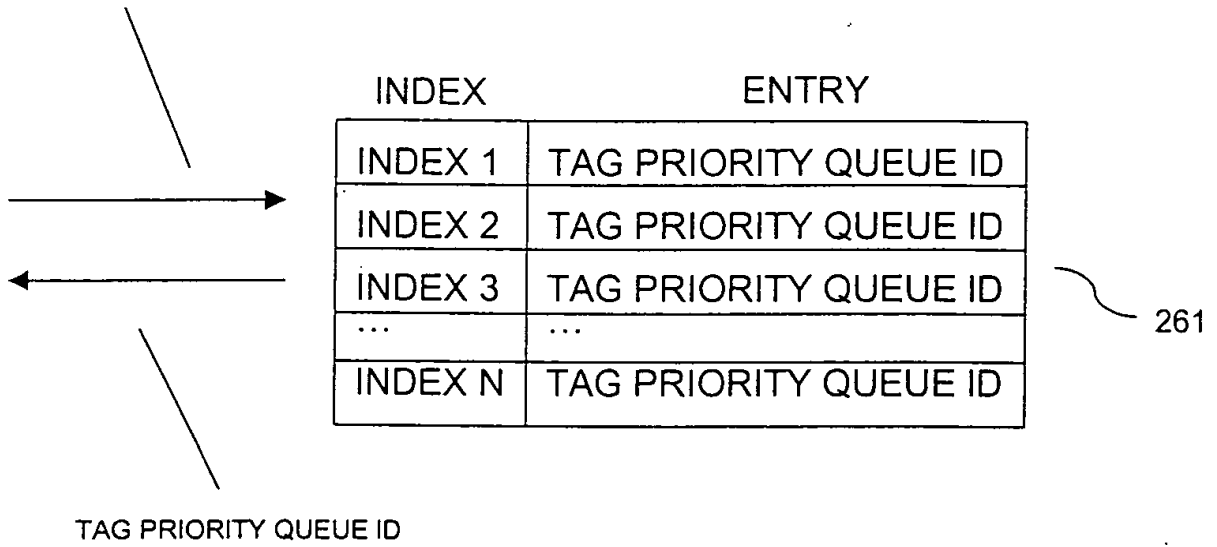


Figure 10



OUTBOUND TAG PRIORITY - LPQID

Figure 11





DETERMINE VIRTUAL  
PORT ID FOR PACKET  
BASED ON PHYSICAL  
PORT ID

DETERMINE VIRTUAL TRUNK ID FOR PACKET BASED ON VIRTUAL PORT ID 1430 AND TAG VLAN ID

DETERMINE OUTBOUND  
TAG PRIORITY FOR PACKET  
BASED ON INBOUND TAG  
PRIORITY AND VIRTUAL  
TRUNK ID

DETERMINE PRIORITY  
SELECT FOR  
PACKET BASED ON  
SOURCE ADDRESS

1450

APPLY OUTBOUND TAG  
PRIORITY AND PRIORITY  
SELECT TO LOCAL PACKET  
HEADER

1470 TRANSMIT PACKET

1470 TRANSMIT PACKET

Figure 14



```
graph TD
    1510[RECEIVE PACKET  
1510] --> 1520[DETERMINE LOCAL  
PRIORITY QUEUE ID FOR  
PACKET BASED ON  
DESTINATION ADDRESS  
1520]
    1520 --> 1530[DOES PRIORITY SELECT  
INDICATE TAGGED PRIORITY  
1530]
    1530 -- N --> 1550
    1530 -- Y --> 1540[DETERMINE TAG  
PRIORITY QUEUE ID FOR  
PACKET BASED ON  
OUTBOUND TAG PRIORITY  
AND LOCAL PRIORITY  
QUEUE ID  
1540]
    1540 --> 1550[APPLY PACKET TO  
PRIORITY QUEUE  
1550]
    1550 --> 1560[APPLY OUTBOUND TAG  
TO PACKET  
1560]
    1560 --> 1570[TRANSMIT TAGGED PACKET  
1570]
```

Figure 15